

## CLAIMS

I claim:

- 1           1. A waterproof, illuminated disc flyer, comprising:
  - 2           an upper disc member having an upper surface, a lower
  - 3           surface, a circular periphery, a centrally disposed dome and a
  - 4           plurality of molded spokes uniformly spaced and extending
  - 5           radially outward from the dome to the periphery;
  - 6           a concave lower disc member having an outer periphery
  - 7           sealed to the periphery of the upper disc member, the lower disc
  - 8           member having an opening defined therein defining an inner
  - 9           periphery and forming an entrance to a chamber defined under the
  - 10          dome;
  - 11          a plurality of lights, the lights protruding outwards at
  - 12          alternating opposite ends of the plurality of molded spokes and
  - 13          at least one of the lights extending upward from the centrally
  - 14          disposed dome;
  - 15          a cover removably mounted over the opening in said lower
  - 16          disc member;
  - 17          waterproofing means for providing a waterproof seal between
  - 18          said cover and said lower disc member; and
  - 19          electric circuit means for supplying power to the lights.

1        2. The waterproof illuminated disc flyer according to claim  
2 1, further comprising a battery clip disposed in the chamber  
3 under said dome.

1        3. The waterproof illuminated disc flyer according to claim  
2 1, further comprising a switch disposed in the chamber under said  
3 dome.

1        4. The waterproof illuminated disc flyer according to claim  
2 1, further comprising a plurality of support walls disposed under  
3 said dome, each of said walls having a threaded blind bore defined  
4 therein.

1        5. The waterproof illuminated disc flyer according to claim  
2 1, wherein said cover is a molded plastic disc, the cover having  
3 an outer flange, a flexible membrane central to said cover, and a  
4 plurality of apertures uniformly distributed along the outer  
5 flange.

1           6. The waterproof illuminated disc flyer according to claim  
2 5, further comprising a pushbutton switch having a depressible  
3 button generally in contact with the membrane portion of said  
4 cover, whereby depressing the outer surface of said membrane  
5 operates said switch.

1           7. The waterproof illuminated disc flyer according to claim  
2 1, further comprising a waterproof gasket disposed between the  
3 lower surface of said upper disc member and said cover.

1           8. The waterproof illuminated disc flyer according to claim  
2 1, wherein the upper surface of said upper body slopes from the  
3 center to the outer periphery with the lowermost outer edge  
4 projecting outward, slightly beyond the end of said lighting  
5 means, thereby protecting said lights.

1           9. The waterproof illuminated disc flyer according to claim  
2 1, further comprising a printed circuit board disposed in the  
3 chamber under said dome, the printed circuit board electrically  
4 connected to said electric circuit means.

1           10.     The waterproof illuminated disc flyer according to  
2 claim 10, wherein said circuit board further comprises electronic  
3 circuitry means for controlling said lights.

1           11.     The waterproof illuminated disc flyer according to  
2 claim 1, wherein said upper disc, said lower disc, and said cover  
3 are comprised of molded plastic.

1           12.     The waterproof illuminated disc flyer according to  
2 claim 1, wherein said lights comprise light emitting diodes.

1           13.     The waterproof illuminated disc flyer according to  
2 claim 1, wherein said upper disc is sonic welded to said lower  
3 disc, whereby said disc flyer has positive buoyancy when placed  
4 in fresh water.